

**Notice of Allowability****Application No.**

09/653,908

**Applicant(s)**

KHAVARI ET AL.

**Examiner**

James H. Blackwell

**Art Unit**

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**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment Filed 10/26/2006.
2. ☒ The allowed claim(s) is/are 22-33.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## DETAILED ACTION

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Donald Boys on 01/02/2007.

The following claims are amended as follows:

22. A system for creating and executing an automated Web browser navigation and data collection sequence comprising:

a session recording mechanism operable by a first user for recording user Web navigation and interaction activity required for data collection associated with a manual navigation and interaction sequence comprising a plurality of web sites;

a log-in mechanism for storing log-in information of ~~for~~ one or more second users for individual ones of the plurality of web sites visited in the manual sequence; and

a file creation module for converting operations recorded in the manual sequence of the first user into an executable sequence of instructions for conducting an automated sequence;

wherein the system follows the manual sequence, creates the automated sequence, and performs the automated sequence on behalf of the second user ~~at least once after creation~~, including logging in to individual one of the sites on behalf of the second user using the log-in ~~login~~ information of ~~for~~ the second user, and storing and aggregating data collected in the automated sequence and transmitting the aggregated data to the second user.

28. A method for automating Web browser navigation and data collection, comprising the steps of:

recording user Web navigation and interaction activity for data collection, via a session recording mechanism, wherein the recording is associated with a manual navigation and interaction sequence of a first user comprising a plurality of web sites ~~by a session recording mechanism~~;

storing user-entered log-in information of ~~for~~ one or more second users for individual ones of the plurality of web sites visited in the manual sequence of the first user via ~~by~~ a log-in mechanism;

converting operations recorded in the manual sequence of the first user into an executable sequence of instructions for conducting an automated sequence via ~~by~~ a file creation module;

performing the automated sequence on behalf of the one or more second users ~~at least once after creation~~, including logging into to individual ones of the web sites on

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behalf of the second user, and storing and aggregating data collected in the automated sequence; and

transmitting the aggregated data to the one or more second users.

### REASONS FOR ALLOWANCE

2. The following is an examiner's statement of reasons for allowance: The prior art of record, either alone or in combination, fails to teach, suggest, or render obvious the combined limitations of each of the independent claims.
3. Though there are several prior art references of relevance, none of them either alone or in combination discloses the instant invention. Several of the references (most notably Safanov et al., Anupam et al., Manohar et al.) either record a web navigation history consisting only of the URLs visited. These however fail to disclose the detailed (actual) navigation steps and interactions that would have been required to login to and access protected sites for information. None of the prior art created an executable of the previously recorded navigation steps and interactions identified by an icon and executed by invocation of the icon. In addition, macro languages available at the time of invention were generally used for simple tasks related to software present on the users machine and none were found to function within the realm of the web or of web browsers.
4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to James H. Blackwell whose telephone number is 571-272-4089. The examiner can normally be reached on Mon-Fri.
6. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather R. Herndon can be reached on 571-272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.
7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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James H. Blackwell

01/02/2007

A handwritten signature in black ink, appearing to read "D. Hutton", written over a rectangular stamp.

**Doug Hutton  
Primary Examiner  
Technology Center 2100**